

### CHEMICAL RESISTANCE FOR FRAC TANK CONTAINMENT

The following chart is a compilation of chemical resistance testing provided by the resin manufactures, testing by CORCHEM® and in-service field history and experience to provide guidelines for use of CORCHEM® 243 CHEMICAL RESISTANT ESTER for frac tank containment.

Frac tank containment is define as portable, temporary storage steel tanks and vessels that have immersion and splash exposure to solvents, salt and oil field chemical solutions for less than 30 days at ambient to moderate temperature. *These recommendations are not for long term continuous immersion service or service at elevated temperatures.* **CONTACT CORCHEM FOR SPECIFIC RECOMMENDATIONS BEFORE PROCEEDING AND FOR LONG TERM CONTINUOUS IMMERSION SERVICE OR SERVICE AT ELEVATED TEMPERATURES.** This guideline requires a clean water rinse of the protective lining within 72 hours of emptying the contents of the frac tank.

The ratings are:

1. **Recommended** for use with no effect or minimal discoloration
2. **Suitable** – Some deterioration, staining or softening of the coating, but not to the substrate
3. **Not Suitable** – Do not use, contact CORCHEM® for additional information.

<u>CHEMICAL</u>	<u>243 Chemical Resistant Ester</u>	<u>CHEMICAL</u>	<u>243 Chemical Resistant Ester</u>
Acetic Acid, Glacial	2 (under 100°F)	Hydrobromic Acid, 48%	1 (under 150°F)
Acetic Acid, 1%	1	Hydrogen Peroxide, 30%	2 (under 165°F)
Acetic Acid, 5%	1	Isobutyl Alcohol	1
Acetic Anhydride	2 (under 100°F)	Isopropyl Alcohol	1
Acetone 20%	2 (under 100°F)	Jet Fuel	1
Aluminum Chloride	1	Kerosene	1
Aluminum Nitrate	1	Lubricating Oil & Grease	1
Aluminum Sulfate	1	Methanol	1
Ammonia, 29%	1	Methyl Ethyl Ketone 20%	2 (under 100°F)
Benzene	1	Methyl Ethyl Ketone 100%	2 (under 70°F)
Butyl Alcohol	1	Mercury 100%	1
Calcium Chloride	1	Naphthenic Acid	1
Calcium Hydroxide	1	Nitric Acid, 1%	1
Calcium Nitrate	1	Nitric Acid, 70%	2
Calcium Sulfate	1	Nonylphenol	1
Chromic Acid, 1%	1 (under 150°F)	Perchloroethylene	2 (under 120°F)
Chromic Acid, 20%	2 (under 150°F)	Phosphoric Acid	2 (under 220°F)
Citric Acid, 10%	1	Potassium Carbonate	1
Citric Acid, 50%	1	Potassium Chloride	1
Copper Chloride	1	Potassium Hydroxide	1
Copper Nitrate	1	Potassium Nitrate	1
Copper Sulfate	1	Potassium Sulfate	1
Diesel Fuel	1	Sodium Carbonate, 50%	1
Ethanol	1	Sodium Chloride (Brine)	1
Ethylene Dichloride	1	Sodium Hydroxide, 50%	1
Ethylene Glycol	1	Sodium Hypochlorite, 5%	1
Ethyl Acetate	1	Sour Crude Oil	1
Ferric Chloride, 50%	1	Sulfuric Acid, 1% to 50%	1 (under 210°F)
Formaldehyde, 37%	1	Sulfuric Acid, 51% - 70%	1 (under 180°F)
Gasoline	1	Sulfuric Acid, 71% - 80%	1 (under 120°F)
Gasoline (Ethanol)	1	Tetrahydrofuran 5%	2 (under 120°F)
Gasoline (Methanol)	1	Toluene	1
Gasoline (MTBE)	1	Trichlorethylene	1
Hydrochloric Acid, 1-37%	2 (under 125°F)	Trichloroethane (1,1,1)	1
Hydrochloric Acid 28% - Xylene	1	Xylene	1

PUBLISHED TECHNICAL DATA AND INSTRUCTIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.  
CONTACT YOUR CORCHEM® REPRESENTATIVE FOR CURRENT TECHNICAL DATA AND INSTRUCTIONS.